



NANO SPECTROPHOTOMETER BJT-4301

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MICRO-VOLUME SPECTROPHOTOMETER



Microscale sample testing with a minimum sample volume of 0.5 μ L.
Wide detection range, up to 100 times greater than a traditional spectrophotometer.

Most samples can be measured directly without dilution.

No warm-up required, enabling direct and rapid testing.

Full wavelength range of 190-1100 nm with 1 nm accuracy; automatic wavelength scanning from 190-850 nm.

Compact and portable design, suitable for on-site testing.

SPECIFICATIONS

Model	BJN-4301
Wavelength Range	190-850nm
Spectral Bandwidth	
Wavelength Accuracy	1nm
Minimum Sample Size	0.5 μ L
Optical Distance	1.0 / 0.2 mm
Cuvette Optical Distance	-
Wavelength Resolution	≤ 0.3 nm (FWHM at Hg 253.7 nm)
Absorbance Accuracy	2% (0.76 at 257 nm)
Absorbance Resolution	0.002 Abs (at 1 mm optical distance)
Absorbance Range	0.02-300 A (10 mm equivalent)
Detection Range	Lower limit: 2 ng/ μ L (dsDNA); Upper limit: 15,000 ng/ μ L (dsDNA)
Sample Pedestal Material	304 Stainless Steel and Quartz
Measurement Time	<5 s
Detector	3648 CCD
Light Source	Xenon Flash Lamp
Absorbance Test Range	0.1-5 Abs: ± 0.1 Abs; 5-80 Abs: $\pm 2\%$ (can extend to 300 Abs)
Dimensions (W x D x H)	200 x 130 x 136 mm
Weight	≤ 2.0 kg
Operating Power	24 W
Voltage	AC 100-240 V, 50-60 Hz
Display Language	English and Chinese
Alt Name	Micro-Volume spectrophotometer



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